is a Cylinder M	ysics - Magnetic Anomalies Mar/Apr 53 in the Magnetic Properties of Mineral Fracture Zone, "G. N. Petrova and N. I., Geophys Inst, Acad Sci USSR SSSR, Ser Geofiz, No 2, pp 115-123	the causes of the formation of nega- anomalies which are adapted to the Measurement of magnetic susceptibil- it rocks of the fracture zone are less in unbroken rocks of the same petro- ition. Investigation by models gives	5-4	20. 25kT75	
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YUKHNOVICH, A.N., veter. vrach (Yel'ninskiy rayon, Smolenskoy oblasti);
RUDCMETKIN, Ia S., veter. vrach; EVENTOV, M.Z., veter. vrach;
RUDCMETKIN, Ia S., veter. vrach; EVENTOV, M.Z., veter. vrach;
SOBOLEY, A.S., dotsent (Estonskaya SSR); DOL'NIKOV, Yn.Ya., kand.
veter. nauk; PALIMPSESTOV, M.A., prof.; SIMONENKO, N.M., dotsent;
GONCHAROV, A.P., assistent; BEZRUKOV, A.A.; FROLENKOV, N.A., veter.
vrach (Serov, Sverdlovskoy oblasti); KOSHCHEYEV, P.M.; VOROB'YEV,
M.M., kand. veter. nauk; YANCHENKO, P.Kh., veter. vrach;
AMELIN, I.P.; BYCHKOV, A.I., kand. veter. nauk; SHVYREV, G.I.,
veter. vrach (Stavropol'skiy kray); DANILIN, N.F.; TRUSHIN, A.Z.,
veter. vrach; SKRYPNIKOVA, T.K., veter. fel'dsher; MIKHEYEV, A.D.;
KARMANOVA, Ye.M., kand. biol. nauk; REMIZOV, Yo.S., mladeniy
nauchnyy sotrudnik; ANTIPIN, D.N., referent

From helminthological practice. Veterinaria 38 no.7:55-58
Jl 161. (MIRA 16:8)

1. Reshetovskiy veterinarnyy uchastok, Novosibirskoy oblasti (for Rudometkin). 2. Sovkhoz "Buda-Koshelevskiy" Gomel'skey oblasti (for Eventov). 3. Sibirskiy nauchno-issledovatel'skiy veterinarnyy institut (for Dol'nikov). 4. Khar'kovskiy veterinarnyy institut (for Palimpsestov, Simenenko, Goncharov).
5. Blagoveshchenskiy sel'skokhozyaystvennyy institut (for Bearukov). 6. Novo-Nikolayevskiy veterinarnyy uchastok Krasnodarskogo kraya (for Lochkarev). 7. Karpilovskiy veterinarnyy uchastok Chernigovskoy oblasti (for Ponomarenko). 8. Kamalinskiy veterinarnyy uchastok Krasnoyarskogo kraya (for Koshcheyev).

(Continued on next card)

# Injuries of the hands due to radiation. Wrach. delo no.9:49-53 S '61. (MER 14:12) 1. Rantganodiagnosticheskly otdel (2av. - kand.med.nauk A. I. Pozmogov) Kiyevskogo nauchmo-iseledovatel'skogo rentgeno-radiologicheskogo onkologicheskogo instituta. (RADIATION--PHYSIOLOGICAL RF-ECT) (HANDS--WOUNDS AND INJURIES)

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Plagnostic errors in a complex anomaly of the 42 cm.11:73-74 '64.	泛
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THE COUNTY OF TH

AUTHOR: Epshteyn, V. G.; Zakharkin, O. A.; Polyak, M. A.; Yakharazan, S. G.

ORG: Yaroslavl Institute of Technology (Yaroslavskiy tekhnologicheskiy institut)

TITLE: Effect of additions of SKD-10 liquid polymer on the technological properties of compositions made with 100 percent of synthetic butadiene rubber

SOURCE: Kauchuk i rezina, no. 1, 1967, 13-14

TOPIC TAGS: synthetic rubber, butadiene rubber, polymer, vulcanized rubber, technical property/SKD 10 polymer

ABSTRACT: A method is proposed for improving the technological properties of compositions made with carboxylated butadiene rubber by introducing SKD-10 liquid polymer. The introduction of liquid polymer does not cause a deterioration of the physicomechanical characteristics of vulcanized rubber. Orig. art. has: 2 figures and 2 tables.

SUB CODE: 11/SUBM DATE: 11Jul66/ORIG REF: 003/

Cord 1/1

UDC: 678. 762, 2:678, 062, 004, 12

A STATE OF THE PROPERTY OF THE

GOLOMBIK, M. S.; PETIN, N. N.; YUKHNOVSKAYA, O. P.

Moscow State University, Laboratory of Chemical Kinetics, (-1940-).

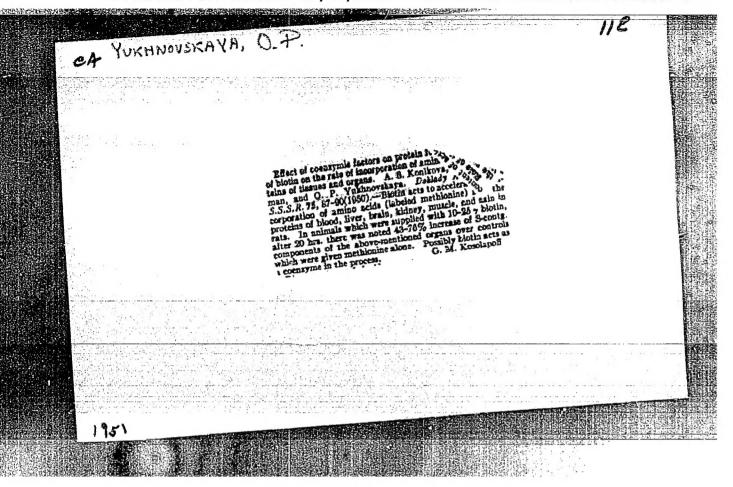
"The Question of the Inertness of Metals." Part II. "Periokic Phenomena on the Bouncery (grantise) of Iron -- Mitric Acid Solutions."

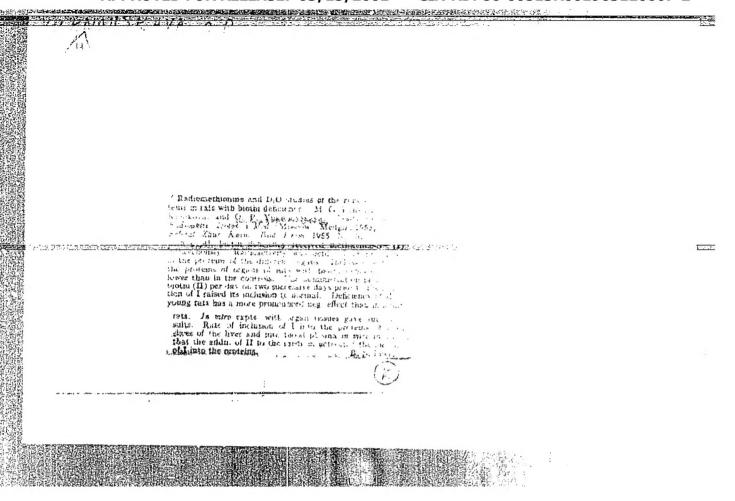
Zhur. Fiz. Khim., Vol. 14, No. 5-6. 1940

SAMOYLOVICH, D.M.; BARINOVA, Ye.S.; VLASOV, A.A.; YUKHNOVSKAYA, C.P.

Investigating the sensitivity of emulsion R under various processing conditions. Zhur, nauch.i prikl.fot.i kin. 5 no.1:56-57 Ja-F '60. (MIRA 13:5)

1. Zavod tekhnicheskikh plastinok, Moskva.
(Photographic emulsions--Testing)





SAMOYLOVICH, D.M.; BARINOVA, Ye.S.; VLASOV, A.A.; YUKHNOVSKAYA, O.F.

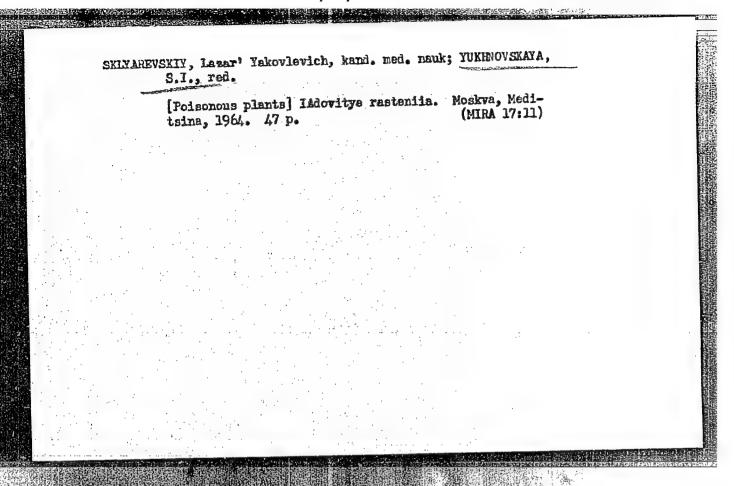
Increase of the sensitivity and development compensation in type
"R" emulgions in glued condition. Zhur.nauch.i prikl.fot.i sin.
5 no.2:142-143 Mr-Ap '60. (MIRA 14:5)

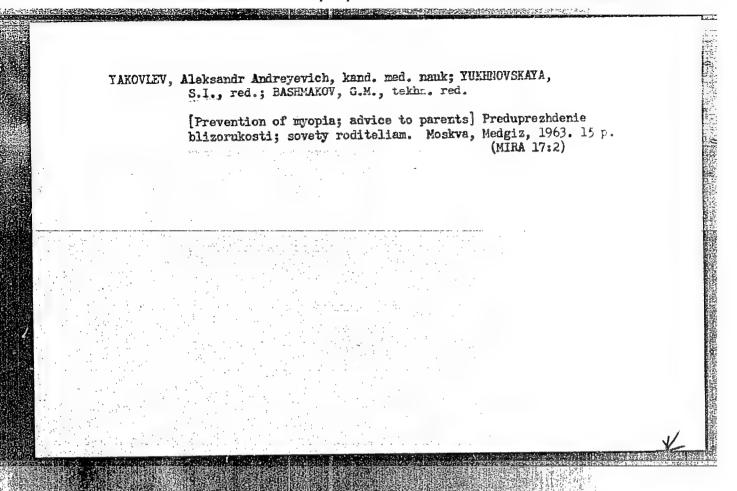
1. Zavod tekhnicheskikh plastinok, Moskva.
(Photographic emulgions)
(Photography—Developing and developers)

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Fourth Inter Germany, 3-8	national Col Sep 62	Lloquium on Phot	ography (Corpu	scular - V	. A
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	mentales de la companya de la compa		- * - * - * - * - * - * - * - * - * - *		

SAMOYLOVICH, D.M.; ARDASHEV, I.V.; RARINOVA, Ye.S.; RYABOVA, R.V.;
YUKHNOVSKAYA, O.P.

Investigating the chemical ripening of type R emulsions. Zhur.
nauch. i prikl.fot. i kin. 8 no.5:359-361 S-0 '63.
(MIKA le:9)





VLASOV, Viktor Alekseyevich; YUKHNOVSKAYA, S.I., red.; PETROVA, N.K., tekhn. red.

[Gastrointestinal diseases in young children] Zheludochnokishechnye zabolevanila u detei rannego vozrasta. Moskva, Medgiz, 1963. 18 p. (MIRA 17:4)



TSOPPI, Yelizaveta Ernestovna; YUKHNOVSKAYA, S.I., red.; PETROVA, N.I.; tekhn. red.

[Care of the sick child] Ukhod za bol'nym rebenkom. Moskve, Medgiz, 1963. 23 p. (MIRA 17:1)



NESTEROV, Anatoliy Innokent'yevich, prof.; YUKHEUVSKAYA, S.I., red.; PEONINA, N.D., tekhm. red.

[Rheumatic fever] Revmatizm. Moskva, Medgiz, 1963.
40 p. (MIRA 16;11)

1. Deystvital'nyy chlen AMN SSSR (for Nesterov).

(RHEUMATIC FEVER)

SHENK, N.A.; YUKHNOVSKAYA, S.I., red.; KOKIN, N.M., tekhr. red.

[Treatment of the sequelae of policyelitis] Lochenie posledstvii policyelita. Koskva, Medgiz, 1963. 45 p.

(MIRA 17:1)

MANANNIKOVA, Nadezhda Vasil'yevna; BULYGINA, Yelizaveta Aleksandrovna;

ECMANOVSKAYA, Sof'ya Yul'yevna; SHESTAKOVA, Natal'ya Petrovna;

SHAPIRO, Sof'ya L'vovna; SHISHLYANNIKOVA, Mariya Abrazovna;

NOVOSELOVA, Raisa Semenovna; POFOVA, G.F., red.; YUKHNOVSKAYA,

S.I., red.; KOKIN, N.M., tekhn. red.

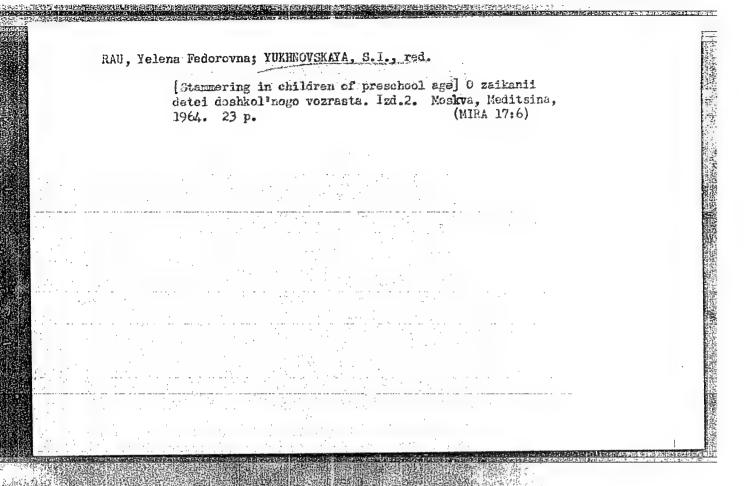
[Course of lectures for gravidas and mothers] Kurs lektsii

dlia beremennykh i materei. 7 lektsii. 5 izd. Moskva, Medgiz,

1963. 238 p. (MIRA 16:7)

(PRENATAL CARE) (WOMEN—HEALTH AND HYGIENE)

(INFANTS—CARE AND HYGIENE)



LAPIN, Boris Arkad'yevich; LINIF, Eman Petrovich; YUKHNOVSKAYA,
S.I., red.

[Monkey farm in Sukhum] Obez'ianii pitomnik v Sukhumi.
Noskva, Meditsina, 1964. 53 p. (MIRA 17:6)

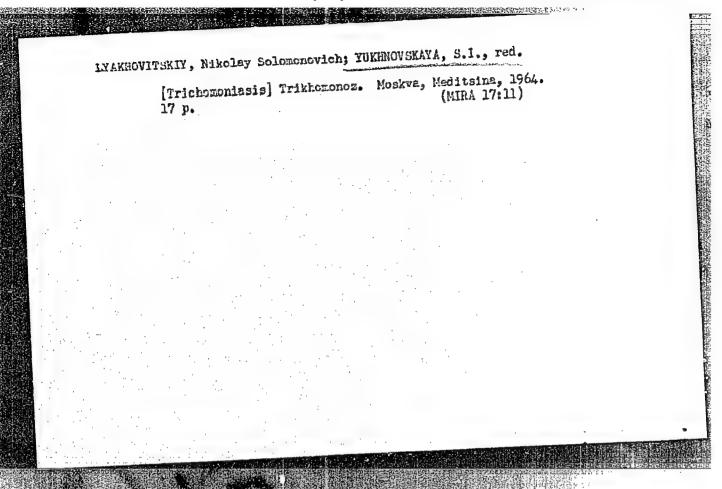
STARKOV, Gonnadiy Leonidovich; YUKHNOVSKAYA, S.I., red.; IXUDKOVSKAYA, R.I., tekhn. red.

[How to preserve and improve the vision; talks by an eye doktor] Kak sokhranit' i uluchshit' zrenie; besedy glaznogo vracha. Izd.3., perer. Moskva, Meditsina, 1964. 54 p. (MIRA 17:3)

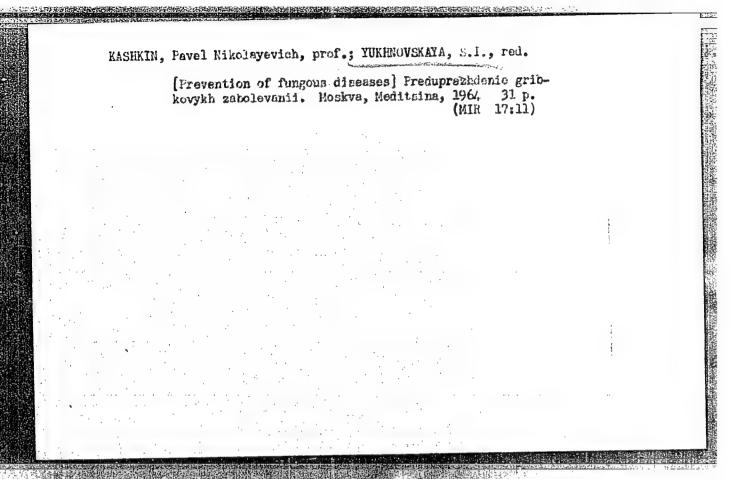
ZABLUDOVSKAYA, Yelena Davydovna; YUKHNOVSKAYA, S.I., red.

[Protect children from rickets] Oberegaite detei ot rakhita. Izd.2., ispr. 1 dop. Moskva, Meditsina, 1964. 55 p.

(MIRA 17:4)



	[Abortion h	ie herV Infraza	borts. Losims	A, S.I., red	106/	
	26 p.	azards] Vred ai	P.ODAVG	(MIRA	18:2)	
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BULYGINA, Yelizaveta Aleksandrovna, kand. med. nauk; YUKHNOVSKAYA, S.I., red.

[Hygiene of the woman during pregnancy and the puerperium] Gigiena zhenshchiny vo vremia beremennosti i posle rcdov. Izd.8. Moskva, Meditsina, 1964. 38 p. (Kurs lektsii dlia beremennykh i materei, no.2) (MIRA 17:12)

RAPIS, Yuriy Leonidovich; YUKHNOVSKAYA, S.I., red.

[Fluorography as a method for the early detection of pulmonary tuberculosis] Fluorografiia - metod ramnogo vyiavleniia tuberkuleza legkikh. Moskva, Meditaina, 1965. 17 p.

(MIRA 18:5)

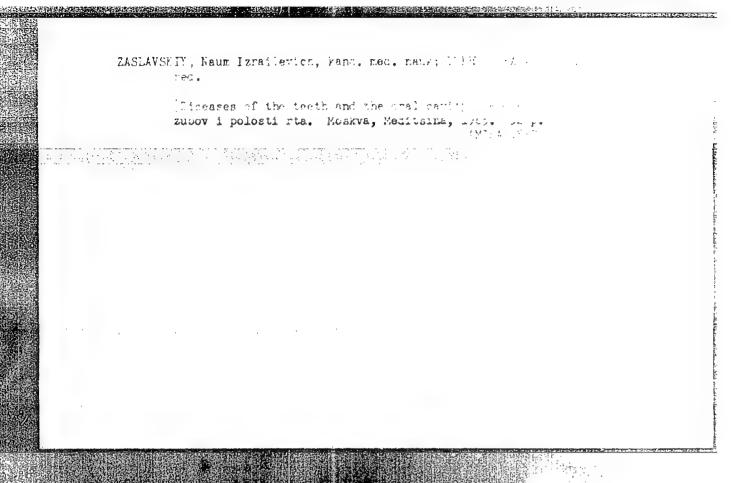
VLASOVA, Natal'ya Aleksandrovna; KOCHERGINA, Vera Sergeyevna;

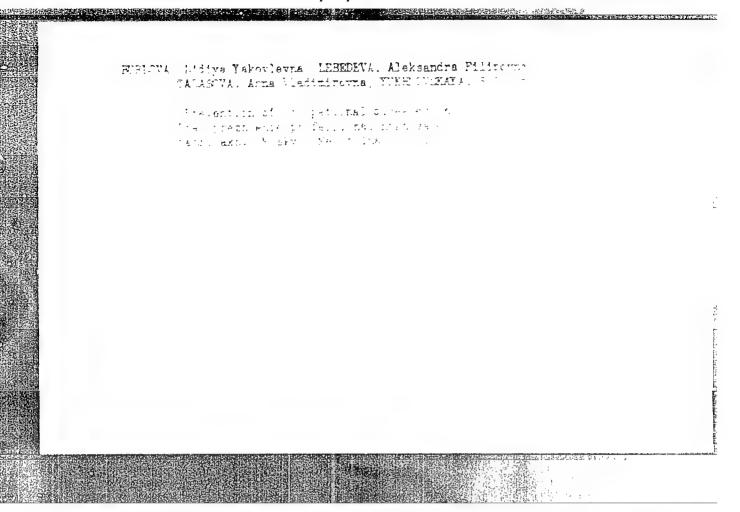
VLKHNOVSKAYA, S.I., red.

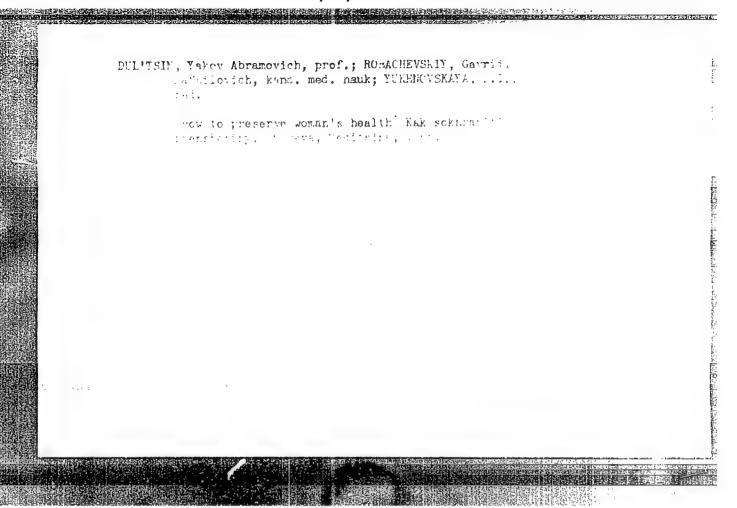
[Stuttering is curable] Zaikanie izlechimo. Izd.2. Moskva, Meditsina, 1965. 35 p. (MIRA 18:3)

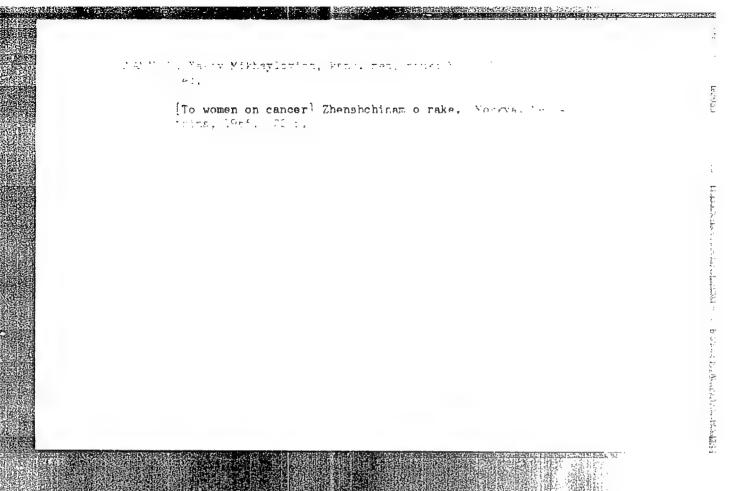
ZHUKOVSKIY, Mikhail Aleksandrovich, doktor med. nauk; YUKHNOVSKAYA,
S.I., red.

[Endocrine diseases in children] Endokrinnye zabolevaniia u
detei. Moskva, Meditsina, 1965. 57 p. (MIRA 18:2)



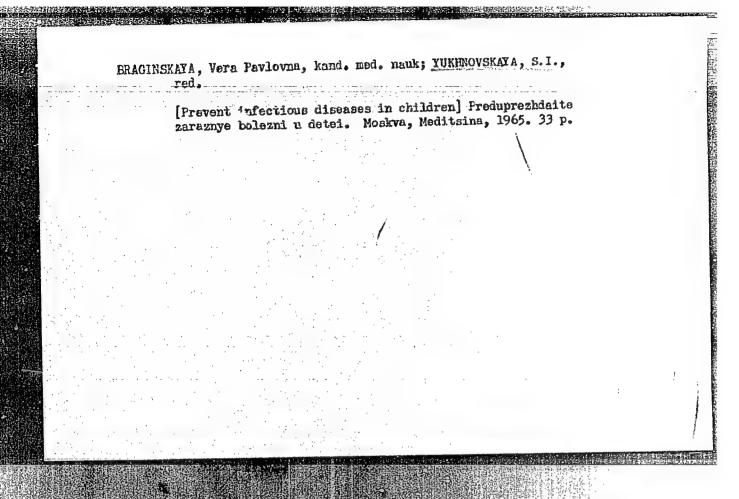


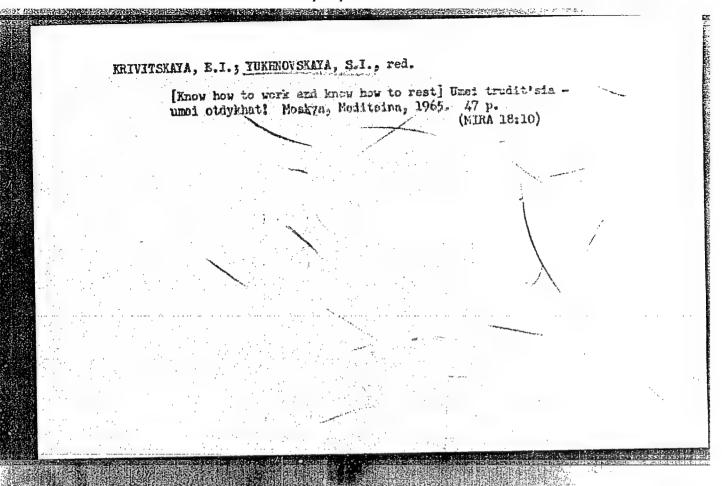


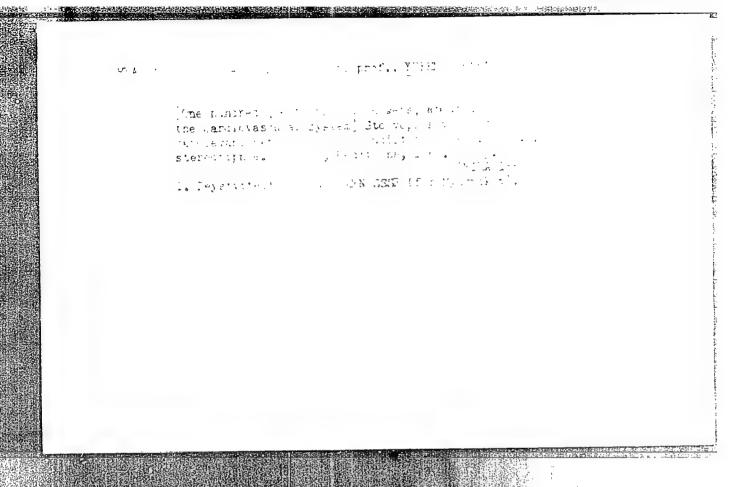


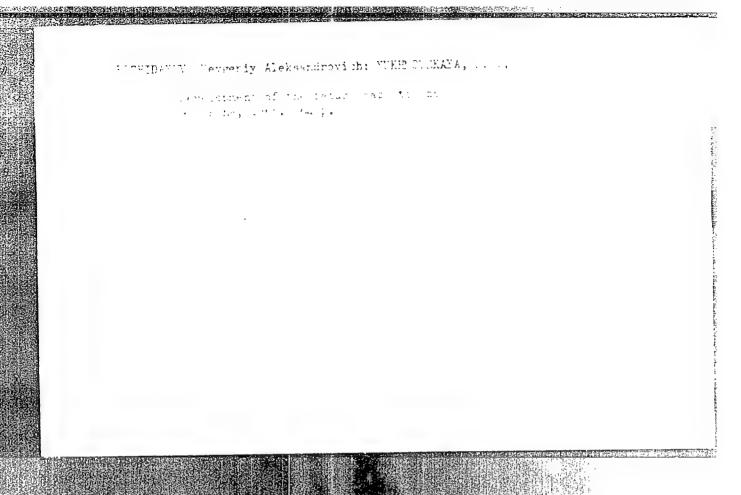
YAPPO, Tat'yana Aleksandrovna; YUKHNOVSKAYA, S.I., red.

[Training children in hygienic habits] Vospitanie gigienicheskikh navykov u detei. Moskva, Meditsina, 1965. 29 p. (MIRA 18:9)









YURENEV, Pavel Nikolayevich; YUKHNOVSKAYA, S.I., red.

[Prevention of rheumatic fever in children] Preduprezhdonie revmetizha u detei. Moskva, Meditoina, 1965.

29 p. (MIRA 18:12)

VOLKOVA, L.S., kand. med. nauk; YUKHROVSKAYA, S.I., rod.

[Life of the infent before birth] Zhizn' rebenks do rozbdeniis. Moskva, Meditsina, 1965. 67 p. (MIRA 18:12)

OCRYZKOV, Nikolay Ivanovich; YUKHNOVSKAYA, S.I., red.

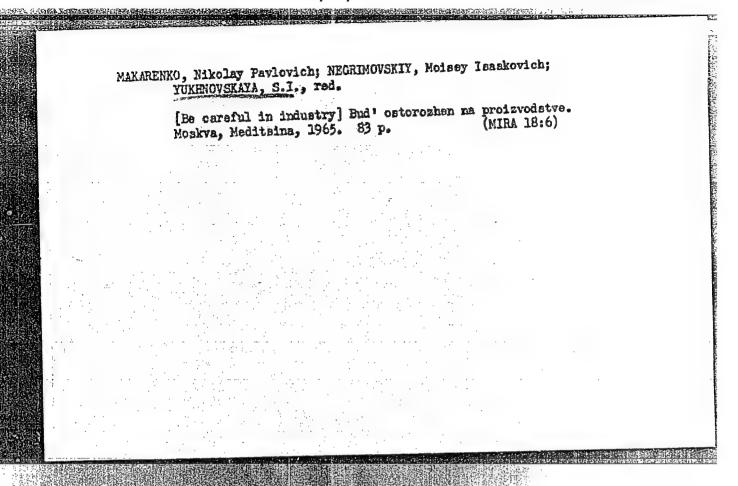
[Benefit and harm from drugs] Fol'za i vred lekerstv.

Koakva, Meditsina, 1965. 70 p. (NIRA 18:12)

YURENEV, Pavel Nikolayevich; YUKHNOVSKAYA, S.I., red.

[Prevention of rheumatic fever in children] Preduprezhdenie revmatizma u detei. Moskva, Meditsina, 1965. 29 p.

(MIRA 18:12)



GRANAT, L.N.; IVANOVA, V.V.; YUKHNOVSKAYA, S.Yu., red.

[For the young mother] Molodoi materi. Moskva, Meditsina, (MIRA 18:6)

- Harrison Control	Working model of a plant for producing sugar from beets. Bauk.  zapikrem.derzh.ped.inst. no.4:103-107 '59. (MIRA 13:9)  (Sugar manufacture)

PYATIKOP, A.I., dotsent; BEZNOS, T.I., kand.med.nauk; LYUBETSKAYA, R.Ya.; PARFILO, A.V.; YUKHNOVSKAYA, Ye.N.

Treatment of fungous skin diseases with griseofulvin. Vest. derm. i ven. 38 no.4:47-50 Ap 364. (MIRA 18:4)

1. Ukrainskiy nauchno-issledovateliskiy kozhno-venerologicheskiy institut (dir. - dotsent A.I.Pyatikop).

ALEKSIYEV, B.V.; IVANOV, Ch.P.; YUKHNOVSKI, IV.N.

Stability and spectroscopic characteristics of the intermediate products formed in the nitration of some 2,3-disubstituted inchmes. Dokl. AN SSSR 150 no.1:89-92 My '63. (MIRA 16:6)

1. Khimikotekhnologicheskiy institut, Sofiya, Bolgariya. Predstavleno akademikom B.A.Kazanskim. (Indone) (Mitration) (Spectrum analysis)

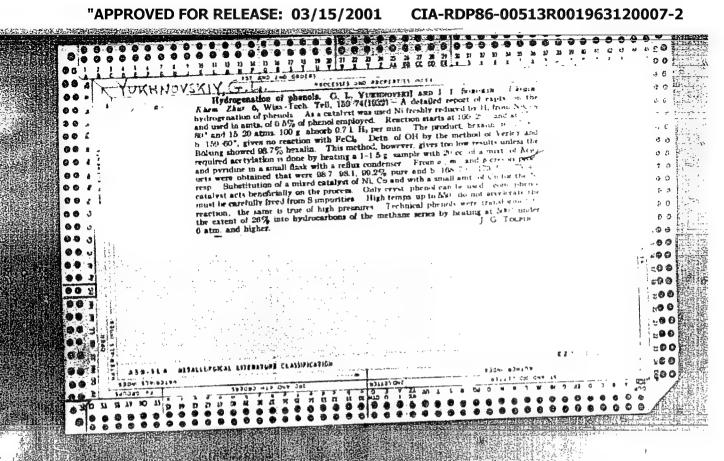
 ALEKSIYEV, B.V.; IVANOV, Ch.P.; YUKHNOVSKI, IV.N.

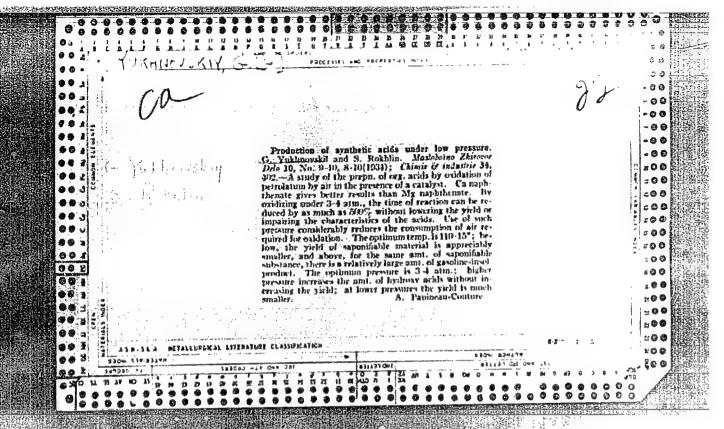
Interaction of 2,3-diaryl- and 2-aryl-3-alkylindones with nitrogen oxides. Dokl. AN SSSR 349 no.6:1315-1318 Ap '63. (MIRA 16:7)

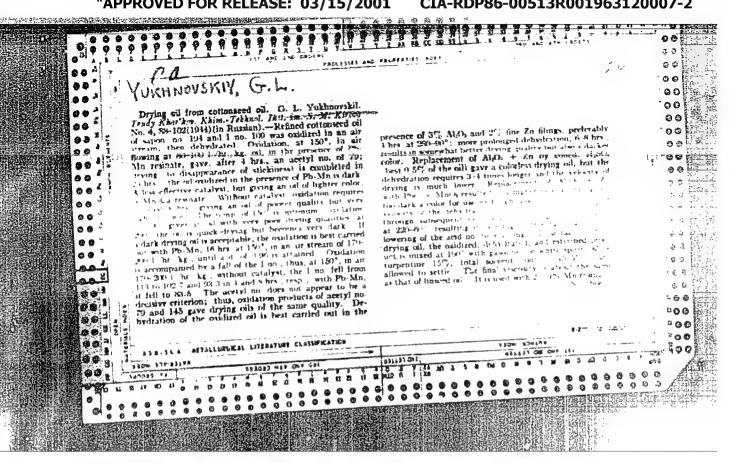
1. Khimiko-tekhnologicheskiy institut, Sofiya, Bolgariya.
(Indons) (Nitrogen oxides)

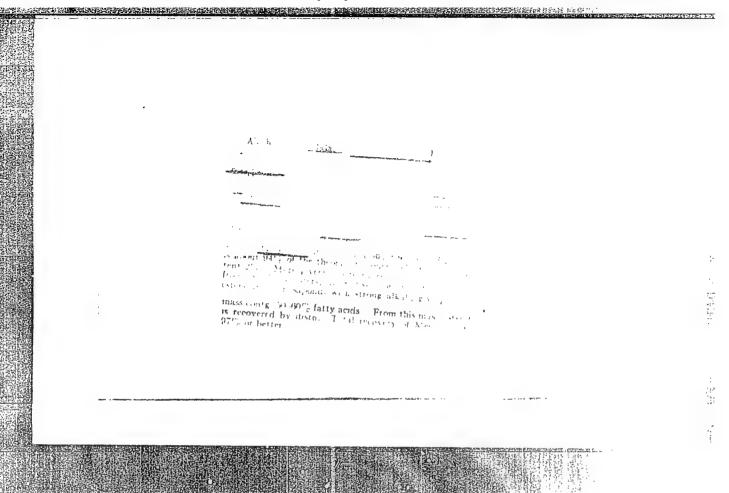
L 12991-	66 EWP(j)/T AP6031801	IJP(c) R	SOURCE CO	DE: BU/0011/6	5/018/009/0817/0	820
ORG: Institute: Caroupling SOURCE: TOPIC TAGE hydrocarb ABSTRACT: polimeriz simple an Telectr calculati discusses the metho various r fast eval radicals Academici	alculation of bicoefficients culgarska akadem culgarska akadem culgarska in the energy, con The method of atsii (The theorem atsii (The theorem atsii (The theorem and accessible am con energy of con con of alternation, on the basis at to the nonalteritinent necess custion of Wele and to find the an D. Ivanov on	Tand Inorganic nding energies of the molecular structure coupling coefficient or radical polong the proposed upled molecules. In hydrocarbons and Soviet and Western energies with localization energies with 18 May 1965. On	Doklady, v. ture, electr ients (Kh. S ymerization) approximate This method and their rad etern referent eroatomic sys ergy graphs a nich can be u ergies. This erig. art. has	18, no. 9, 196 on energy, com . Bagdasar yan . AN SSSR, M., nethods for th was initially licals. The pr lices, the possi etems. The aut and establishes used for the en paper was pre s; 3 figures.	5, 817-820 plex molecule,  1, Teoriya radika 1959) is especi the calculation of y used for the resent article the extension of the correction of the correction of the calculation of the extension of the extensi	l'noy ally
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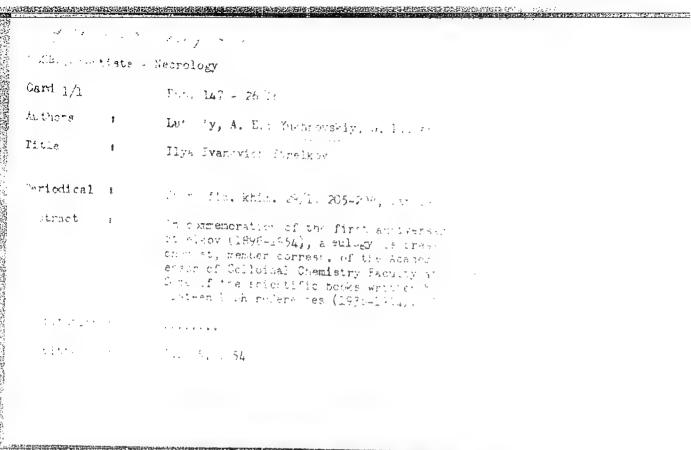




INTERITY, A.Ye.; YUKHNOVSKIY, G.L.

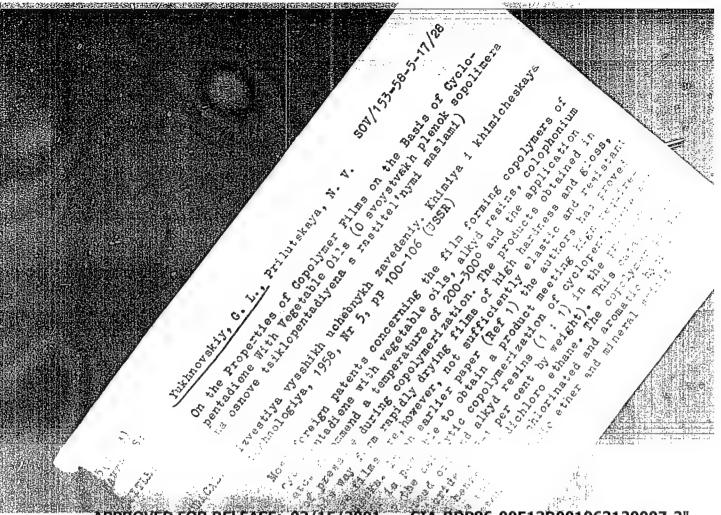
Il'ia Ivanovich Strelkov; 1898-1954; obituary. Ukr.khim.zhur. 20
no.3:335-339 '54. (MLRA 7:8)

(Strelkov, Il'ia Ivanovich, 1989-1954)

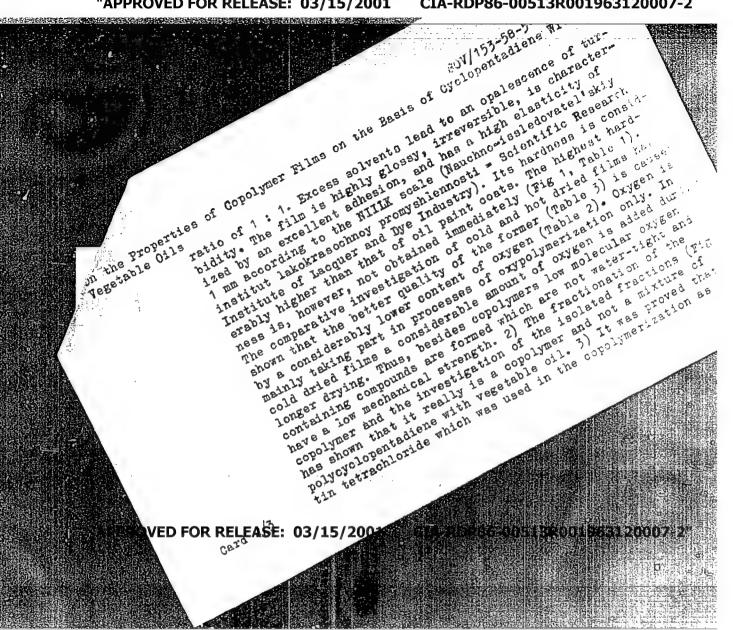


Styrene reactions with vegetable oils. Zhur.prikl.khim. 30 no.4:603-612 hp '57. (HIRA 10:7)
1. Khar'kovskiy politekhnicheskiy institut imeni V.I.Lenina. (Styrene) (Oils and fats)

CIA-RDP86-00513R001963120007-2 "APPROVED FOR RELEASE: 03/15/2001



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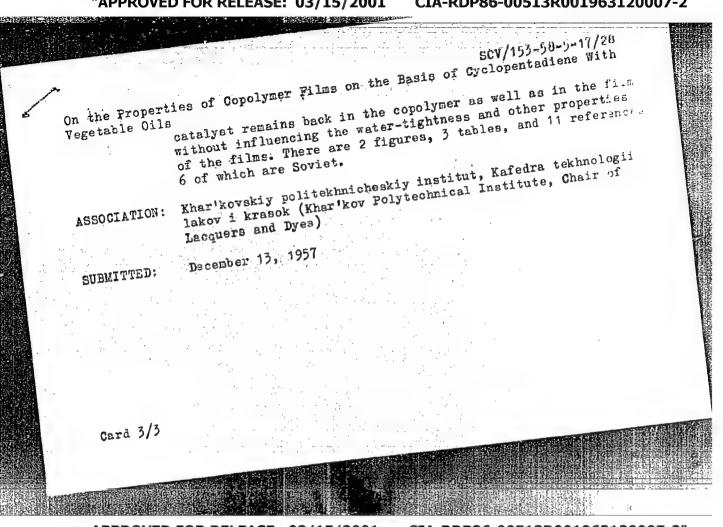


sov/153-58-5-17/28 Yukhnovskiy, G. L., Prilutskaya, N. V. On the Properties of Gopolymer Films on the Basis of Cyclopentadiene With Vegetable Oils (0 svoystvakh plenok sopolimera 5(1, 3) na osnove tsiklopentadiyena s rastitel'nymi maslami) AUTHORS: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya ITLE: tekhnologiya, 1958, Nr 5, pp 100-106 (USSR) Most foreign patents concerning the film forming copolymers of cyclopentadiene with vegetable oils, alkyd resine, colophonium etc. recommend a temperature of 200-300° and the application PERIODICAL: of pressure during copolymerization. The products obtained in this way form rapidly drying films of high hardness and gloss, ABSTRACT: these films are, however, not sufficiently elastic and resistant to shocks. In an earlier paper (Ref 1) the authors had proved that it is possible to obtain a product meeting high requirements by the catalytic copolymerization of cyclopentadiene with e. g. linseed oil and alkyd resins (1: 1) in the presence of stannic chloride (0.8-1 per cent by weight). This catalyst is dissolved in benzene or dichloro ethane. The copolymer produced in this way is soluble in chlorinated and aromatic hydrocarbons, turpentine, acetone, sulfuric ether and mineral spirits at a Card 1/3

SOV/153-58-5-17/26 On the Properties of Copolymer Films on the Easis of Cyclopentadiene Witz Vegetable Oils

> ratio of 1: 1. Excess solvents lead to an opalescence of this bidity. The film is highly glossy, irreversible, is characterized by an excellent adhesion, and has a high elasticity of 1 mm according to the NIILK scale (Nauchno-issledovatel'skiy institut lakokrasochnoy promyshlennosti = Scientific Research Institute of Lacquer and Dye Industry). Its hardness is considerably higher than that of oil paint coats. The highest hardness is, however, not obtained immediately (Fig 1, Table 1). The comparative investigation of cold and hot dried films has shown that the better quality of the former (Table 3) is caused by a considerably lower content of oxygen (Table 2). Oxygen is mainly taking part in processes of oxypolymerization only. In cold dried films a considerable amount of oxygen is added during longer drying. Thus, besides copolymers low molecular oxygen containing compounds are formed which are not water-tight and have a low mechanical strength. 2) The fractionation of the copolymer and the investigation of the isolated fractions (Fig 2) has shown that it really is a copolymer and not a mixture of polycyclopentadiene with vegetable oil. 3) It was proved that tin tetrachloride which was used in the copolymerization as

Card 2/3



807/81-59-8-29646

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 8, p 588 (USSR)

AUTHORS:

Yukhnovskiy, G.L., Rudenko, B.M.

TITLE:

The Copolymerization of Oxidized Oil With Styrene

PERIODICAL:

Tr. Khar'kovsk, politekhn. in-ta, 1958, Vol 18, pp 135 - 142

ABSTRACT:

It has been established by oxidation of refined sunflower oil under laboratory conditions (blowing through of air at temperatures of 80 - 160°C) that the maximum formation of conjugated dienes and peroxides in it takes place at 80 - 100°C. The copolymerization of styrene with oil oxidized at these temperatures and having a high viscosity, even without adding oils with conjugated double bonds (e.g., tung oil) into the reaction medium, produces a homogeneous product forming a transparent film be

N. Gardenin

Card 1/1

YUKHRUYSKIY, G.L.; PRILUTSKAYA, M.V.; CHRREGRAY, A.V.

Copolymerization of cyclopentadiene with vegetable cils.

Zhur. prikl. khim. 31 no.7:1091-2100 J1 58. (MRA 11:9)

(Polymerization) (Cyclopentadiene) (Oils and fate)

5(3) AUTHORS: Yukhnovskiy, G. L., Chernobay, A.V. SOV/153-2-1-18/25 TITLE: Polymerization of Cyclopentadiene (Polimerizatsiya PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1959, Vol 2, Nr 1, pp 96-101 ABSTRACT: Cyclopentadiene (CPD) is not a very serviceable waste product of the coke plants of chemical industry. Due to two conjugated double bonds it has a high polymerization activity (Refs 1-5). Its polymer may be used as an underlying substance for varnishes. It can be polymerized both by the thermal and the catalytic method (see diagrams). In the air the polymer absorbs up to 20 wt% of oxygen and forms a powder with the total formula (C\_H60)n. Polycyclopentadiene can be vulcanized in chloroform by sulphur sesquichloride. A brown, glassy, insoluble mass is produced by hydrogenation. There are only few data available of these processes. In this article the authors try to explain the possibilities of utilizing film-forming substances. In the Card 1/3 experimental part they dealt with the action

. Polymerization of Cyclopentadiens

SOV/153-2-1-18/25

type of catalyst (Fig 1) on the transformation of CPD, the quantity of the c a t a l y s t, its concentration and that of the monomer action of the solvent (Fig 2), the properties of ро1у-(Fig 3), the cyclopentadiene, and finally the staof polycyclopentadiene solutions. Table 2 contains the action of individual bilization stabilizers on the viscosity of polycyclopentadiene solutions. The authors arrived at the following conslusions: The most efficient catalysts of CPD polymerization are complexes of boron trifluoride with organic substances (alcohols, others, and esters). At increased concentrations of the catalyst polycyclopentadiene is densified by the remaining double bonds. There are 3 figures, 2 tables, and 9 references, 5 of which are Soviet.

ASSOCIATION:

Khar'kovskiy politekhnicheskiy institut; Kafedra tekhnologii lakov i krasok (Khar'kov Polytechnic Institute, Chair of the Technology of Varnishes and Dyes)

Card 2/3

85377

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5/081/60/000/017/015/016 A006/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 17, p. 612, # 72080

AUTHORS:

Yukhnevskiy, G.L., Prilutskaya, N.V.

TITLES

Catalytic Copolymerization of Cyclopentadiene With Alkyd Resins

Modified by Oils

Tr. Khar'kovsk. rolitekhn. in-ta, 1959, Vol. 26, pp. 123-131 PERIODICAL:

The authors studied the process of copolymerization of cyclopentadiene (I) with alkyd resins (II) modified by oils. It was established that with a higher concentration of the catalyst (stannic chloride, III) the reaction is more intensive and neat liberation is greater. At a concentration of III equal to 0.9-1% of the total weight of the mixture, self-heating attains the boiling temperature of the solvent. Viscosity of the copolymer solutions obtained inpreases with higher concentration of III. Folymerization of I in the presence of complexes III with acetic acid proceeds more rapidly than in the presence of III, particularly at the initial stage. The effect of the acidity of II on the copolymerization process was studied on the example of II with various acidity

Card 1/2

## CIA-RDP86-00513R001963120007-2 "APPROVED FOR RELEASE: 03/15/2001

5/081/60/000/017/015/016 A006/A001 Catalytic Copolymerization of Cyclopentadiene With Alkyd Resins Modified by Oils numbers. It is shown that in copelymerization of I with II, a great effect on the bonding rate is exerted by the amount of free phthalic anhydride contained The highest reaction rate is observed in the case when the III: phthalic enhydride ratio a 1 : 0.5. The authors studied the effect of the fatness of II and the nature of oil on the corelymerization rate. When using resins of lower Patriess, a higher resoltion rate is observed. A technological process is suggested for obtaining copolymers I - II to the presence of III, as a result of which viscous liquids are developed producing fast drying films which show good adhesion, hardness and elasticity. L. Payman Translator's note: This is the full translation of the original Russian abstract.

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15.8108

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 18, p. 543, # 75438

AUTHORS:

Yukhnovskiy, G. L., Brodskiy, I. Ye.

Inhibition of Emulsion Polymerization of Methylmethacrylate TITLE:

PERIODICAL: Tr. Khar'kovsk. politekhn. in-ta, 1959, Vol. 26, No. 6, pp. 221-223

For the purpose of reducing the intensity of the process of polymethylmethacrylate polymerization (in the presence of an initiator and emulsifier at 75 - 80°C) and of preventing the branching of the polymer chains with the formation of transverse bonds, a hydroquinone inhibitor was used as a regulator in an amount of 0.006% of the monomer weight. An investigation of the relative viscosity of polymethylmethacrylate sulutions in dichlorethane, of the specific impact toughness and yield limit in static bending of polymethylmethacrylate bars with and without admixtures of hydroquinone showed that its introduction somewhat reduced the molecular weight and the specific impact toughness of the polymer. However these changes affect only slightly the physical properties of the finished product. Moreover, the use of hydroquinone has a most favorable effect on the technological process: homogeneity increases (in respect to the screen composition)

Card 1/2

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Inhibition of Emulsion Polymerization of Methylmethacrylate

as well as the yield of the commercial product; the conductance of the process is facilitated and the operational conditions of the equipment are improved.

T. Renard

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

sov/80-32-5-30/52

5(3)

G.L., Zu Hua-dens Yukhnovskiy, AUTHORS:

Epoxide Resins on the Base of Dipherylolethane (4,4'-Dioxydiphenyl-TITLE: .

methylmethane) and Phenolacetaldehyde Resins

Zhurnal prikladnov khimii, 1959, Vol 32, Nr 5, pp 1100-1105 (USSR) PERIODICAL:

The work is based on the raw material resources of Korea and intends to advocate the use of diphenylolsthane (DPE) instead of diphenylo. ARSTRACT:

propane, in order to avoid the use of the definient aletone, from which the substance is synthesized. At a molar ratio of 1-2 mole of epichlorohydrine (ECE) to 1 mole DPE three-dimensional polymer are obtained which are not soluble to any solver. This is William the presence of more than two functional groups in IFE. It is therefore necessary to use pure DPE without homologs. DFE was synthesized according to Vansheydt's method and then dissolved in

benzene, toluene and xylene. The best solvent is benzene. On walls the benzene solution, the homologs are precipitated first. DPF :settling out in the form of crystals DPE was synthe ited at the

phenol:acetaldehyde ratios, ranging from 4 to 1

Card 1/2

sov/80-32-5-30/52

Epoxide Resins on the Base of Diphenylolethane (4,4°-Dioxydiphenylmethylmethane) and Phenolacetaldehyde Resins

ratio of 4:1 together with DPE an equal amount of phenolacetaldehyde resin is obtained. The industrial DPE produced in Korea contains polyfunctional homologs of DPE. Pure DPE could be separated from it only in the amount of 1.5%. The principal product is phenolacetaldehyde resin.

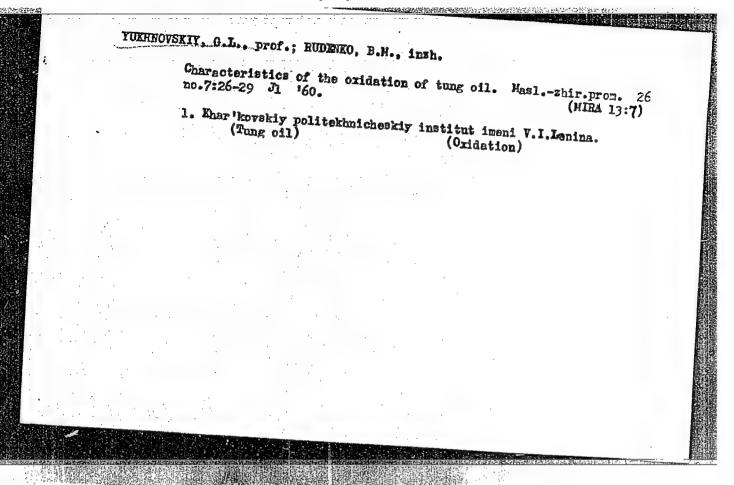
There are: 2 tables, and 9 references, 4 of which are Soviet, 2 American, 2 German and 1 English.

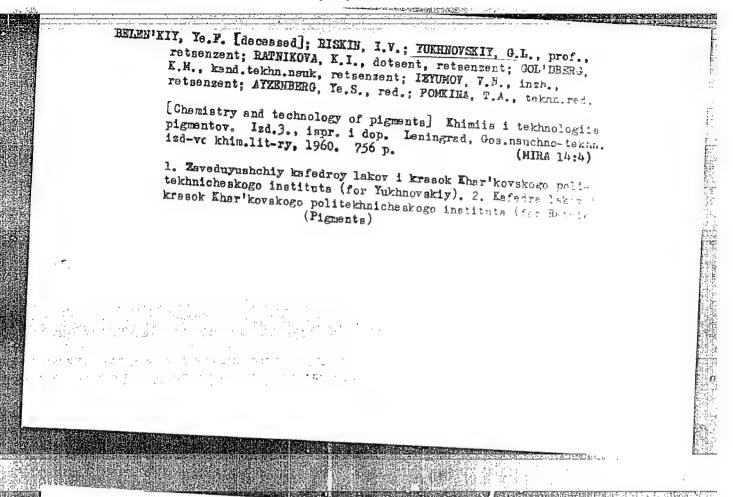
SUPMITTED:

January 6, 1958

Card 2/2

Copolymerization of tung oil with styrens. Lakokras.mat.i ikh prim. no.3:32-35 '60. (MIRA 14:4)  1. Khar'kovskiy politekhnicheskiy institut imeni V.I.Lenina. (Styrens)
(Doylens)





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YUKHNOVSKIY G.L

9/081/63/000/002/082/608 B117/8166

AUTHORS:

Tekhnovekiy, G. L., Velosyek, V. M.

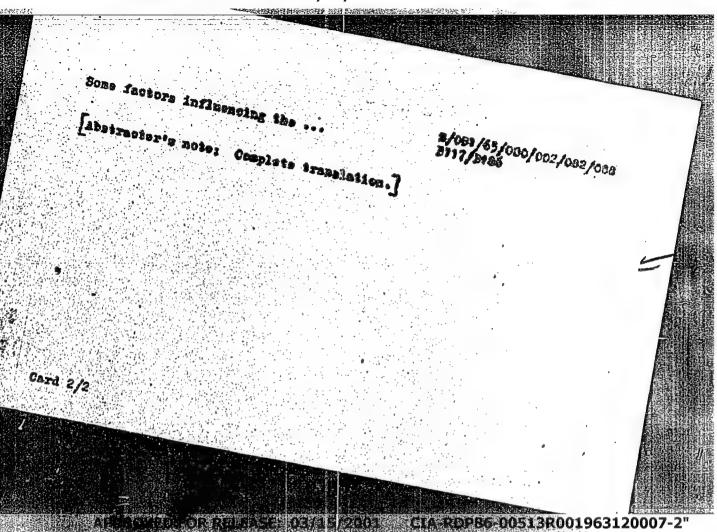
TITLE:

Some factors influencing the composition of products prepared by alcoholysis of oils

PERIODICAL:

Referentively abarmal. Khimiya, no. 2, 1965. 573, abatemant 27512 (Lakokrasosha, naterialy 1 4th pricentaly, np. 6.

TEXT: It was found that when trigly perides are made to undergo interesterification the same ration as are commonly used for glycerol theoretical content of emply perides in the sinture does not emperate 54-55%. It the same time the diglyceride content decreases, but not below cooled below the lowest temperature required to ensure complete dissolution of the glycerol contained in the minture, this counts in a disproposition and a decrease of emperature required in a disproposition along the composition and a decrease of emperature reduced. Ethis alcohol must not be used as solvent when checking the degree of card 1/2.



s/191/62/000/009/003/012 B101/B144

AUTHORS:

G. L., Popenker, R. R., Kuznetsova, V. M.

Cold-setting epoxy-acrylate compounds

PERIODICAL: Plasticheskiye massy, no. 9, 1962, 14 - 16

TEXT: With a view to improving the thermostability of cold-setting epoxy compounds and avoiding the need to use toxic hardening agents, the redox copolymerization of epoxy resin with polymethyl methacrylate in the presence of methacrylic acid as hardening agent was investigated. Three compounds were produced. Compound 1: A solution of dimethyl aniline in methyl methacrylate is poured into the 3A-6 (ED-6) epoxy resin. Polymethyl methacrylate powder is then stirred in, a solution of benzoyl peroxide in methacrylic acid is added (ratio methacrylate: methacrylic acid = 2:1), and a filler is added to the finished compound if necessary. The setting time amounts to 20 - 30 min, thermostability to 88°C according to Martens. For compound 2, dimethyl aniline is dissolved in a mixture of styrene and methyl methacrylate. Since this compound too had a short setting time, the addition of polymethyl methacrylate was omitted for

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B101/B144

compound 3. The setting time was 2 - 5 hr. Compounds 2 and 3 with earshalite aB filler are suited for casting, or with a mixture of marshalite and asbestos they can be used as putty. The absorption of water after 170 hr was 0.17% for the casting compound and 0.33% for the putty. Compound 3 without filler has lor viscosity and is suitable for casting into coils.

YUKHNOYSKIY, C.L.; VOLCSYUX, V.M.

Effect of some factors on the composition of the products of oil alcoholysis. Lakokras, mat. i ikh prim. no.4:16-20 '62.

(MIRA 16:11)

YUKHNOYSKIY, G.L.; VOLOSYUK, V.M.

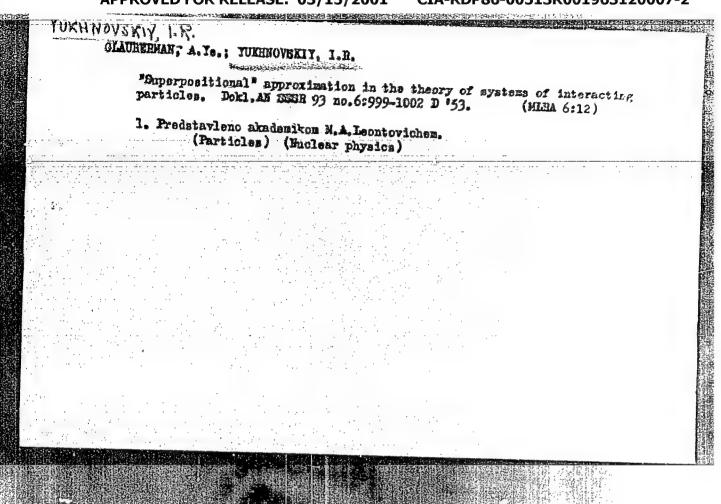
Synthesis of alkyd resins with the method of step esterification. Lakokras. mat. i ikh prim. no.5:18-21 '63. (MIRA 16:11)

[Practical laboratory work on synthetic polymers for lacquers] Praktikum po sinteticheskir polimerar d.ia .a.co. Poskva, Vyssheia shkola, 1965. 2711. Vi A.c.

1. Zaveduyushchiy kafedroy Khar'kovskogo Politekhnicheskogo instituta im. V.I.Lenina (for Yukhnovskiy).

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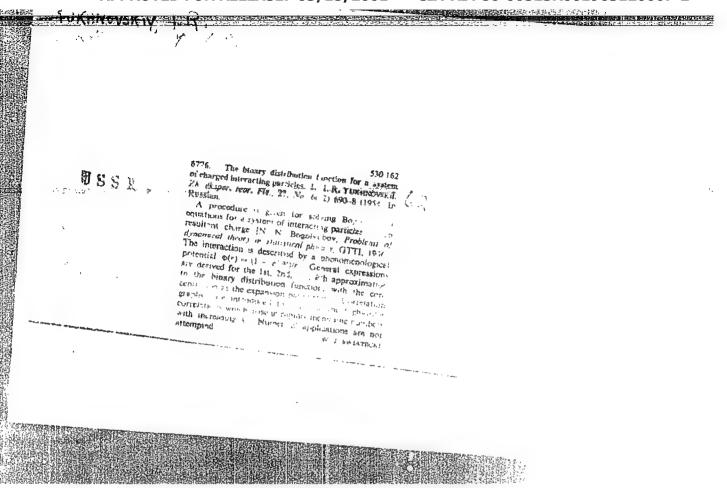
# YURNOVSKIY, I.R. "Statistical Theory of Concentrate State Strong Electrolytes. II," A. Ye. Glauberman. I. R. Yukhnovskiy, Lvov State U "Zhur Eksper 1 Teoret Fiz" Vol XXII, No 5, pp 572-578 On the basis of the previous work see previous abstract and general statistical conceptions, derives a formula for the activity coeffs which in the case of small comens passes into the familiar Debye law. Compares theoretical and exptidata. Received 1 Aug 51.



YUKHNOVSKIY, I. R.

"Binary Distribution Function for a System of Interacting Charged Particles." Cand Phys-Math Sci, L'vov U, L'vov, 1954. (RZnKhim, No 17, Sep 54)

SO: Sum 432, 29 Mar 55



AUTHOR: Yukhnovskiy, I. R. 56-2-16/51

TITLE: The Application of Collective Variables and the Taking Into

Consideration of Short Range Forces in the Theory of the Systems of Charged Particles (Primeneniye kollektiv-

nykh peremennykh i uchet korotkodeystvuyushchikh sil v

teorii sistem zaryazhennykh chastits)

PERIODICAL: Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1958,

Vol 34, Nr 2, pp. 379-389 (USSR)

ABSTRACT: The present work calculates the free energy as well as the binary and the ternary distribution functions of the

systems of charged particles, taking into consideration the short range forces. The first chapter of this work deals with the formation of the problem. Bogolyubov suggested the investigation of a compound problem: The

calculation of the statistical integral of an ion system in which the short range forces in the coordinate space and the long range forces are described by collective variables.

The present work is also dealing with the solution of this

Card 1/3 problem. The author investigates a system of ions of L

The Application of Collective Variables and the Taking Into Consideration of Snort dange Forces in the Theory of the Systems of Charged Particles

56-2-16/01

different types in equilibrium and neutral as a whole. Na ions of any kind being present. The interaction is described by an "exact" potential. In the calculation of the free energy of this system a collective variable and a Fourier transform are introduced. Then an expression for the integral of configuration is put down. The potential energy of the Coulomb interaction is replaced by the potential energy of a system of harmonic oscillators and then the author integrates over the amplitudes of those oscillators. The potentials with short range are not expanded into a Fourier series but are left in the coordinate representation. Then a transition function for the Coulomb potential is deduced. The second chapter deals with the configuration integral for the case of the Coulomb interaction potential. The complete expression for the principal value of the statistical integral is an exponential function. Then a formula is deduced for the free energy of a Coulomb system and is also specialized for small concentrations. Then it is easy to pass on to the construction of the distribution functions and of the

Card 2/3

The Application of Collective Variables and the Taking Into Consideration of Short Range Forces in the Theory of the Systems of Charged Particles

56-2-16/51

thermodynamic functions with the taking into account in the interaction energy all central forces of long and short range. Also a system of ions in external fields can be investigated. By means of the results of the 2 above mentioned chapters the system of charged particles with exact interaction law can be investigated in two different ways obtaining the same results each time. The present work uses the method in which the characteristics of free energy as deducing potential are made use of. The course of calculation is followed step by step and the final formula found for the free energy is put down explicitly. There are 7 references, 5 of which are Slavic.

ASSOCIATION:

L'vov State University (L'vovskiy Cosudarstvennyy

universitet)

SUBMITTED:

June 15, 1957

AVAILABLE:

Library of Congress

Card 3/3

1. Charged particles-Mathematical analysis

Yukhwouskin, I.R.

24(8) 3,2

PHASE I BOOK EXPLOITATION

SOV/2809

Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk

Termodinamika i stroyeniye rastvorov; trudy soveshchaniya... (Thermodynamics and Structure of Solutions; Transactions of the Conference Held January 27-30, 1958) Moscow, Izd-vo AN SSSR, 1959. 295 p. 3,000 copies printed.

Ed.: M. I. Shakhparonov, Doctor of Chemical Sciences; Ed. of Publishing House: N. G. Yegorov; Tech. Ed.: T. V. Polyakova.

This book is intended for physicists, chemists, and chemical engineers.

COVERAGE: This collection of papers was originally presented at the Conference on Thermodynamics and Structure of Solutions sponsored by the Section of Chemical Sciences of the Academy of Sciences, USSR, and the Department of Chemistry of Moscow State University, and held in Moscow on January 27-30, 1958. Officers of the conference are listed in the Foreword. A list of other reports

Card 1/10

# Thermodynamics and Structure (Cont.) also read at the conference, but not included in this book, SOV/2809 are given. Among the problems treated in this work are: electrolytic solutions, ultrasonic measurement, dielectric and thermodynamic properties of various mixtures, spectroscopic analysis, etc. References accompany individual articles. TABLE OF CONTENTS: Foreword Glauberman, A. Ye. Present State and Some Problems of the 3 Molecular Theory of Electrolytic Solutions Yukhnovskiy, I. R. Statistical Theory of Charged Particle 5 Falkenhagen, H. and G. Kelbg. Comments on Conductivity in Solutions of Strong Electrolytes 17 Kelbg, G. Statistical Mechanics of Electrolytic Solutions. 23 Card 2/10 28

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